

## Видовой состав фитопланктона малых озер Алаколь-Сасыкольской системы

### Charophyta – Харовые

- Cosmarium contractum* O.Kirchner
- Cosmarium punctulatum* Brébisson
- Cosmarium neodepressum* G.J.P.Ramos & C.W.N.Moura
- Mougeotia* sp. C.Agardh
- Staurastrum gracile* Ralfs ex Ralfs
- Staurastrum quadrangulare* Brébisson
- Staurastrum tetracerum* Ralfs ex Ralfs

### Chlorophyta – Зеленые

- Ankistrodesmus spiralis* (W.B.Turner) Lemmermann
- Ankistrodesmus arcuatus* Korshikov
- Chlorella vulgaris* Beijerinck
- Closteriopsis acicularis*(Chodat) J.H.Belcher & Swale
- Coelastrum astroideum* De Notaris
- Coelastrum microporum* Nägeli
- Coenococcus planctonicus* Korshikov
- Comasiella arcuata* (Lemmermann) E.Hegewald, M.Wolf, Al.Keller, Friedl & Krienitz
- Crucigenia fenestrata* (Schmidle) Schmidle
- Desmodesmus armatus* (Chodat) E.H.Hegewald
- Desmodesmus armatus* var. *bicaudatus* (Guglielmetti) E.H.Hegewald
- Desmodesmus protuberans* (F.E.Fritsch & M.F.Rich) E.Hegewald
- Desmodesmus subspicatus* (Chodat) E.Hegewald & A.W.F.Schmidt
- Dictyochlorella reniformis* (Korshikov) P.C.Silva
- Gonium pectorale* O.F.Müller
- Lagerheimia subsalsa* Lemmermann
- Lemmermannia komarekii* (Hindák) C.Bock & Krienitz
- Lemmermannia tetrapedia* (Kirchner) Lemmermann
- Monactinus simplex* (Meyen) Corda
- Monoraphidium contortum* (Thuret) Komárková-Legnerová
- Monoraphidium griffithii* (Berkeley) Komárková-Legnerová
- Monoraphidium minutum* (Nägeli) Komárková-Legnerová
- Mucidosphaerium pulchellum* (H.C.Wood) C.Bock, Proschold & Krienitz
- Oocystis borgei* J.W.Snow
- Oocystis lacustris* Chodat
- Oocystis pusilla* Hansgirg
- Oocystis submarina* Lagerheim
- Oocystis rhomboidea* Fott
- Pseudopediastrum boryanum* (Turpin) E.Hegewald
- Raphidocelis sigmoidea* Hindák

*Scenedesmus quadricauda* (Turpin) Brébisson  
*Scenedesmus ellipticus* Corda  
*Schroederia setigera* (Schröder) Lemmermann  
*Sphaerocystis planctonica* (Korshikov) Bourrelly  
*Stauridium tetras* (Ehrenberg) E.Hegewald  
*Tetradesmus lagerheimii* M.J.Wynne & Guiry  
*Tetradesmus obliquus* (Turpin) M.J.Wynne  
*Tetraëdron caudatum* (Corda) Hansgirg  
*Tetraëdron minimum* (A.Braun) Hansgirg  
*Tetraëdron triangulare* Korshikov  
*Willea apiculata* (Lemmermann) D.M.John, M.J.Wynne & P.M.Tsarenko

### **Цуанобактерии – Цианобактерии**

*Anathece clathrata* (West & G.S.West) Komárek, Kaštovský & Jezberová  
*Aphanizomenon flos-aquae* Ralfs ex Bornet & Flahault  
*Aphanocapsa muscicola* (Meneghini) Wille  
*Aphanothece elabens* (Meneghini) Elenkin  
*Chroococcus minimus* (Keissler) Lemmermann  
*Chroococcus minor* (Kützing) Nägeli  
*Chroococcus minutus* (Kützing) Nägeli  
*Chroococcus turgidus* (Kützing) Nägeli  
*Coelomoron pusillum* (Van Goor) Komárek  
*Coelosphaerium kuetzingianum* Nägeli  
*Gomphosphaeria aponina* Kützing  
*Leptolyngbya angustissima* (West & G.S.West) Anagnostidis & Komárek  
*Leptolyngbya tenuis* (Gomont) Anagnostidis & Komárek  
*Limnococcus limneticus* (Lemmermann) Komárková, Jezberová, O.Komárek & Zapomelová  
*Lyngbya aestuarii* Liebman ex Gomont  
*Merismopedia elegans* A.Braun ex Kützing  
*Merismopedia glauca* (Ehrenberg) Kützing  
*Merismopedia minima* G.Beck  
*Merismopedia tenuissima* Lemmermann  
*Merismopedia tranquilla* (Ehrenberg) Trevisan  
*Microcystis aeruginosa* (Kützing) Kützing  
*Microcystis flos-aquae* (Wittrock) Kirchner  
*Microcystis pulvereae* (H.C.Wood) Fort  
*Microcystis ichthyoblabe* (G.Kunze) Kützing  
*Phormidium schroeteri* (Hansgirg) Anagnostidis  
*Planktolyngbya contorta* (Lemmermann) Anagnostidis & Komárek  
*Planktolyngbya limnetica* (Lemmermann) Komárková-Legnerová & Cronberg  
*Pseudanabaena limnetica* (Lemmermann) Komárek  
*Snowella atomus* Komárek & Hindák  
*Snowella rosea* (J.W.Snow) Elenkin  
*Snowella lacustris* (Chodat) Komárek & Hindák

*Synechocystis aquatilis* Sauvageau

*Trichodesmium lacustre* Klebahn

### **Dinoflagellata – Динофитовые**

*Apocalathium aciculiferum* (Lemmermann) Craveiro, Daugbjerg, Moestrup & Calado

*Ceratium hirundinella* (O.F.Müller) Dujardin

*Gonyaulax digitale* (Pouchet) Kofoid

*Parvodinium inconspicuum* (Lemmermann) Carty

*Parvodinium goslaviense* (Wołoszyńska) Carty

*Parvodinium umbonatum* (F.Stein) Carty

*Peridiniopsis quadridens* (F.Stein) Bourrelly

*Peridinium cinctum* (O.F.Müller) Ehrenberg 1832

### **Euglenophyta – Эвгленовые**

*Euglena viridis* (O.F.Müller) Ehrenberg

*Eutreptia viridis* Perty

*Lepocinclis acus* (O.F.Müller) B.Marin & Melkonian

*Phacus longicauda* (Ehrenberg) Dujardin

### **Heterokontophyta – Гетероконты**

*Achnantheidium affine* (Grunow) Czarnecki

*Achnantheidium lineare* W.Smith

*Amphora ovalis* var. *pediculus* (Kützing) Van Heurck

*Aulacoseira granulata* (Ehrenberg) Simonsen

*Aulacoseira italica* (Ehrenberg) Simonsen

*Caloneis amphisbaena* (Bory) Cleve

*Cocconeis pediculus* Ehrenberg

*Cocconeis placentula* Ehrenberg

*Cymbella cistula* (Ehrenberg) O.Kirchner

*Cymbella lanceolata* C.Agardh

*Diatoma elongata* (Lyngbye) C.Agardh

*Diatoma vulgare* Bory

*Dinobryon sertularia* Ehrenberg

*Diploneis ovalis* (Hilse) Cleve

*Epithemia gibba* (Ehrenberg) Kützing

*Eucoconeis laevis* (Østrup) Lange-Bertalot

*Eunotia pectinalis* (Kützing) Rabenhorst

*Eunotia exigua* (Brébisson ex Kützing) Rabenhorst

*Fragilaria capucina* Desmazières

*Fragilaria crotonensis* Kitton

*Gomphonella olivacea* (Hornemann) Rabenhorst

*Gyrosigma acuminatum* (Kützing) Rabenhorst

*Lineaperpetua lacustris* (Grunow) P.Yu, Q.-M.You, Kociolek & Wang

*Navicula cincta* (Ehrenberg) Ralfs

*Navicula cryptocephala* Kützing  
*Navicula minima* Grunow  
*Navicula oblonga* (Kützing) Kützing  
*Navicula radiosa* Kützing  
*Navicula rhynchocephala* Kützing  
*Navicula salinarum* Grunow  
*Navicula tripunctata*(O.F.Müller) Bory  
*Navicymbula pusilla* (Grunow) Krammer  
*Neidium dubium* f. *constrictum* (Hustedt) Hustedt  
*Nitzschia acicularis* (Kützing) W.Smith  
*Nitzschia recta* Hantzsch  
*Odontidium hyemale* (Roth) Kützing  
*Placoneis exigua* (W.Gregory) Mereschkovsky  
*Pleurosigma salinarum* (Grunow) Grunow  
*Proschkinia bulnheimii* (Grunow) Karayeva  
*Sellaphora pupula* (Kützing) Mereschkovsky  
*Sellaphora rectangularis* (W.Gregory) Lange-Bertalot & Metzeltin  
*Sellaphora laevissima* (Kützing) D.G.Mann  
*Sellaphora radiosa* (Hustedt) H.Kobayasi  
*Staurosira construens* Ehrenberg  
*Stephanocyclus meneghinianus* (Kützing) Kulikovskiy, Genkal & Kociolek  
*Synedra tenera* (W.Smith) Lange-Bertalot  
*Ulnaria capitata* (Ehrenberg) Compère  
*Ulnaria ulna* (Nitzsch) Compère  
*Ulnaria ulna* var. *spathulifera* (Grunow) Aboal